

# Oliver H Weiergräber

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,690  
citations

304368

22  
h-index

205818

48  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	4.3	10
2	Hepatic Encephalopathy. <i>Seminars in Liver Disease</i> , 2008, 28, 070-080.	1.8	105
3	Involvement of Integrins in Osmosensing and Signaling toward Autophagic Proteolysis in Rat Liver. <i>Journal of Biological Chemistry</i> , 2003, 278, 27088-27095.	1.6	95
4	TWISTED DWARF1 Mediates the Action of Auxin Transport Inhibitors on Actin Cytoskeleton Dynamics. <i>Plant Cell</i> , 2016, 28, 930-948.	3.1	88
5	Soluble Human Interleukin-6 Receptor. Expression in Insect Cells, Purification and Characterization. <i>FEBS Journal</i> , 1995, 234, 661-669.	0.2	85
6	Short-Term Regulation of Canalicular Transport. <i>Seminars in Liver Disease</i> , 2000, Volume 20, 307-322.	1.8	74
7	Tuning of a Neuronal Calcium Sensor. <i>Journal of Biological Chemistry</i> , 2006, 281, 37594-37602.	1.6	53
8	Glutamine and Cell Signaling in Liver. <i>Journal of Nutrition</i> , 2001, 131, 2509S-2514S.	1.3	51
9	Mechanism-based inhibition of an aldolase at high concentrations of its natural substrate acetaldehyde: structural insights and protective strategies. <i>Chemical Science</i> , 2016, 7, 4492-4502.	3.7	49
10	Trading off stability against activity in extremophilic aldolases. <i>Scientific Reports</i> , 2016, 6, 17908.	1.6	48
11	Ligand Binding Mode of GABAA Receptor-Associated Protein. <i>Journal of Molecular Biology</i> , 2008, 381, 1320-1331.	2.0	46
12	Impact of N-terminal Myristoylation on the Ca <sup>2+</sup> -dependent Conformational Transition in Recoverin. <i>Journal of Biological Chemistry</i> , 2003, 278, 22972-22979.	1.6	42
13	Structural framework of the GABARAP-calreticulin interface and its implications for substrate binding to endoplasmic reticulum chaperones. <i>FEBS Journal</i> , 2009, 276, 1140-1152.	2.2	42
14	The Atg8 Family of Proteins Modulating Shape and Functionality of Autophagic Membranes. <i>Frontiers in Genetics</i> , 2017, 8, 109.	1.1	36
15	Revisiting Disrupted-in-Schizophrenia 1 as a scaffold protein. <i>Biological Chemistry</i> , 2013, 394, 1425-1437.	1.2	35
16	Use of immobilized synthetic peptides for the identification of contact sites between human interleukin-6 and its receptor. <i>FEBS Letters</i> , 1996, 379, 122-126.	1.3	29
17	Crystal Structure of a Multi-domain Immunophilin from <i>Arabidopsis thaliana</i> : A Paradigm for Regulation of Plant ABC Transporters. <i>Journal of Molecular Biology</i> , 2006, 364, 799-809.	2.0	27
18	Interaction of Bcl-2 with the Autophagy-related GABAA Receptor-associated Protein (GABARAP). <i>Journal of Biological Chemistry</i> , 2013, 288, 37204-37215.	1.6	27

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19	A complex of the soluble interleukin-6 receptor and interleukin-6 is internalized via the signal transducer gp130. <i>FEBS Letters</i> , 1996, 399, 131-134.	1.3	26
20	The mammalian autophagy initiator complex contains 2 HORMA domain proteins. <i>Autophagy</i> , 2015, 11, 2300-2308.	4.3	26
21	Hepatocellular Hydration: Signal Transduction and Functional Implications. <i>Cellular Physiology and Biochemistry</i> , 2000, 10, 409-416.	1.1	23
22	Crystal structure of a plant immunophilin domain involved in regulation of MDR-type ABC transporters. <i>FEBS Letters</i> , 2006, 580, 251-255.	1.3	22
23	A structural organization for the Disrupted in Schizophrenia 1 protein, identified by high-throughput screening, reveals distinctly folded regions, which are bisected by mental illness-related mutations. <i>Journal of Biological Chemistry</i> , 2017, 292, 6468-6477.	1.6	22
24	The Twisted Dwarf's ABC. <i>Plant Signaling and Behavior</i> , 2006, 1, 277-280.	1.2	20
25	Human CNTF and related cytokines: effects on DRG neurone survival. <i>NeuroReport</i> , 1995, 7, 153-157.	0.6	18
26	Comparative modeling of human NSF reveals a possible binding mode of GABARAP and GATE16. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 77, 637-646.	1.5	17
27	Conformational Polymorphism in Autophagy-Related Protein GATE-16. <i>Biochemistry</i> , 2015, 54, 5469-5479.	1.2	17
28	Solution structure of the autophagy-related protein LC3C reveals a polyproline II motif on a mobile tether with phosphorylation site. <i>Scientific Reports</i> , 2019, 9, 14167.	1.6	15
29	Functional Restoration of the Ca <sup>2+</sup> -myristoyl Switch in a Recoverin Mutant. <i>Journal of Molecular Biology</i> , 2003, 330, 409-418.	2.0	13
30	Discovery of Pyrrolidine-2,3-diones as Novel Inhibitors of <i>P. aeruginosa</i> PBP3. <i>Antibiotics</i> , 2021, 10, 529.	1.5	11
31	Assessment of GABARAP self-association by its diffusion properties. <i>Journal of Biomolecular NMR</i> , 2010, 48, 49-58.	1.6	10
32	Interaction Mode of the Novel Monobactam AIC499 Targeting Penicillin Binding Protein 3 of Gram-Negative Bacteria. <i>Biomolecules</i> , 2021, 11, 1057.	1.8	10
33	One of the Ca <sup>2+</sup> binding sites of recoverin exclusively controls interaction with rhodopsin kinase. <i>Biological Chemistry</i> , 2005, 386, 285-9.	1.2	9
34	Conformational heterogeneity coupled with Î²-fibril formation of a scaffold protein involved in chronic mental illnesses. <i>Translational Psychiatry</i> , 2021, 11, 639.	2.4	9
35	Biochemical and Initial Structural Characterization of the Monocot Chimeric Jacalin OsJAC1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5639.	1.8	8
36	Biophysical insights from a single chain camelid antibody directed against the Disrupted-in-Schizophrenia 1 protein. <i>PLoS ONE</i> , 2018, 13, e0191162.	1.1	7

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37	Structural characterization of GABARAP ligand interactions. <i>Molecular BioSystems</i> , 2009, 5, 575.	2.9	6
38	Three-dimensional structure of a schistosome serpin revealing an unusual configuration of the helical subdomain. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 686-694.	2.5	6
39	Crystallization and preliminary X-ray analysis of immunophilin-like FKBP42 from <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 363-365.	0.7	5
40	Investigating Structure and Dynamics of Atg8 Family Proteins. <i>Methods in Enzymology</i> , 2017, 587, 115-142.	0.4	5
41	Phosphorylated tyrosine 93 of hepatitis C virus nonstructural protein 5A is essential for interaction with host c-Src and efficient viral replication. <i>Journal of Biological Chemistry</i> , 2019, 294, 7388-7402.	1.6	5
42	Endocytosis of interleukin-6 soluble interleukin-6 receptor complex and its intralysosomal degradation. <i>Bulletin of Experimental Biology and Medicine</i> , 1997, 124, 1085-1087.	0.3	4
43	Autophagy-Related Proteins GABARAP and LC3B Label Structures of Similar Size but Different Shape in Super-Resolution Imaging. <i>Molecules</i> , 2019, 24, 1833.	1.7	4
44	Deficiency of GABARAP but Not Its Paralogs Causes Enhanced EGF-Induced EGFR Degradation. <i>Cells</i> , 2020, 9, 1296.	1.8	3
45	Statically Adsorbed Coatings for High Separation Efficiency and Resolution in CE-MS Peptide Analysis: Strategies and Implementation. <i>Methods in Molecular Biology</i> , 2016, 1483, 53-75.	0.4	2
46	Sequence-specific <sup>1</sup> H, <sup>15</sup> N, and <sup>13</sup> C resonance assignments of the autophagy-related protein LC3C. <i>Biomolecular NMR Assignments</i> , 2016, 10, 41-43.	0.4	2
47	Structural Studies of Autophagy-Related Proteins. <i>Methods in Molecular Biology</i> , 2019, 1880, 17-56.	0.4	2